

UPDATE



SEI installs large-scale MBE equipment for mass production

Sumitomo Electric's Semiconductor Division has recently installed multiwafer MBE growth equipment for mass production of large 4-inch diameter GaAs epitaxial wafers.

SEI says that what is remarkable about this equipment (the VG Semicon V100) is "that it makes reproducibility a reality."

"With the arrival of the information age, we are surrounded in our daily

lives by electronic equipment using microwave technology in the form of multimedia technology applications such as cellular telephones and broadcast satellite receivers.

Compound semiconductor epitaxial wafers which have a precise, uniform multilayer structure with tight electrical and physical tolerances are indispensable for these microwave electronic devices.

Sumitomo Electric's new MBE equipment exhibits the following capabilities:

- Either 5 x 3-in wafers or 3 x 4-in wafers may be grown simultaneously
- MBE-grown wafers have superior surface quality, excellent uniformity and reproducibility
- A buffer layer suitable for microwave devices is available

With installation of the new MBE equipment, Su-

mitomo Electric says that it is able to meet increasing production demand for microwave devices in electronic equipment.

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